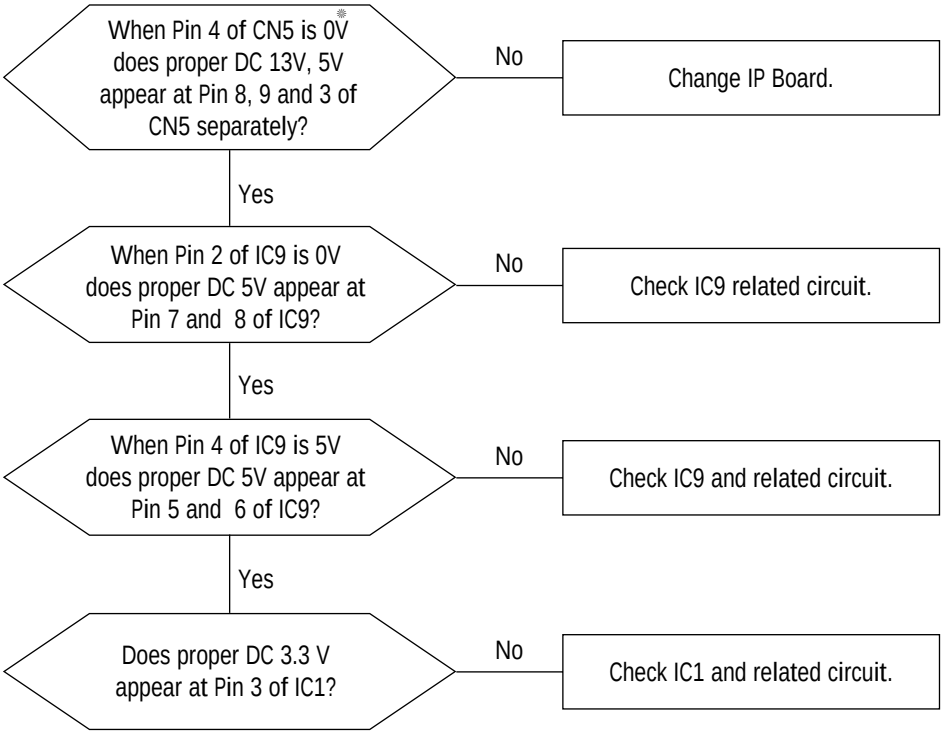
5 Troubleshooting

Notes: 1. Before troubleshooting, setup the PC's display as below.
- Resolution: 1280 x 1024
- H-frequency: 64 kHz
- V-frequency: 60 Hz

2. If no picture appears, make sure the power cord is correctly connected.
3. Check the following circuits.
- No raster appears: Audio PCB, SMPS PCB, Main PCB
- 13V develop but no screen: Main PCB
- 13V does not develop: Main PCB

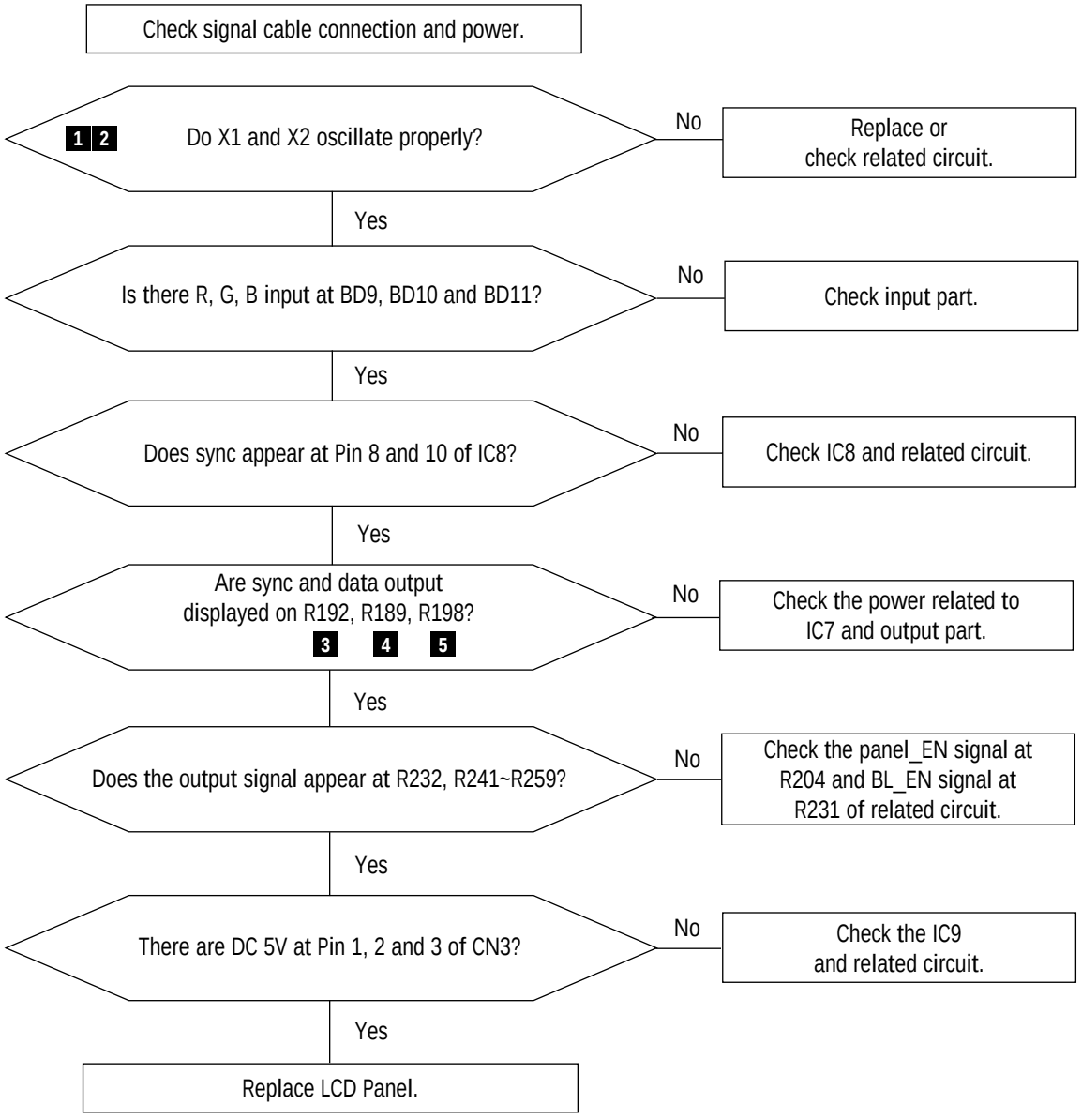
4. If you push and hold the "EXIT" button for more than 5 seconds, the monitor automatically returns to the factory preset.

5-1 No Power


When Pin 4 of CN5 is 0V* does proper DC 13V, 5V appear at Pin 8, 9 and 3 of CN5 separately?
No
Change IP Board.
Yes
When Pin 2 of IC9 is 0V does proper DC 5V appear at Pin 7 and 8 of IC9?
No
Check IC9 related circuit.
Yes
When Pin 4 of IC9 is 5V does proper DC 5V appear at Pin 5 and 6 of IC9?
No
Check IC9 and related circuit.
Yes
Does proper DC 3.3 V appear at Pin 3 of IC1?
No
Check IC1 and related circuit.

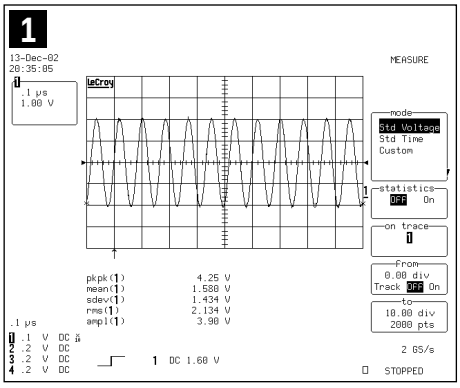
* 0V means power on state.
When the monitor work well except DPMS and power switch off, 0V should be applied to number 4 of CN5.

5-2 No Video

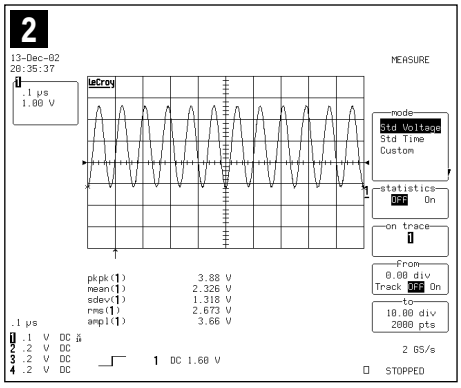

Check signal cable connection and power.
1 2
Do X1 and X2 oscillate properly?
No
Replace or check related circuit.
Yes
Is there R, G, B input at BD9, BD10 and BD11?
No
Check input part.
Yes
Does sync appear at Pin 8 and 10 of IC8?
No
Check IC8 and related circuit.
Yes
Are sync and data output displayed on R192, R189, R198?
3 4 5
No
Check the power related to IC7 and output part.
Yes
Does the output signal appear at R232, R241~R259?
No
Check the panel_EN signal at R204 and BL_EN signal at R231 of related circuit.
Yes
There are DC 5V at Pin 1, 2 and 3 of CN3?
No
Check the IC9 and related circuit.
Yes
Replace LCD Panel.

WAVEFORMS

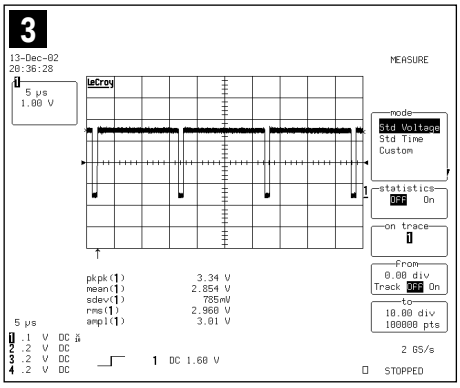
1



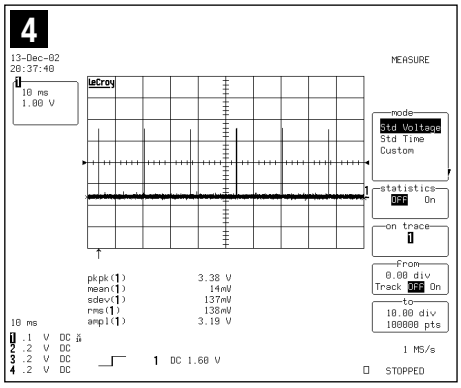
2



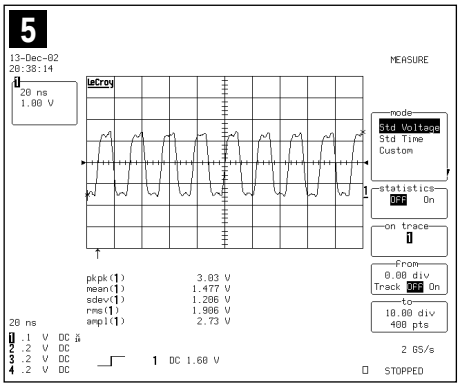
3



4



5



Memo